

## Product datasheet

### Anti-Nectin 3 antibody [103-A1] ab16913

★★★★☆ [3 Abreviews](#) [5 References](#)

#### Overview

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<b>Product name</b>	Anti-Nectin 3 antibody [103-A1]
<b>Description</b>	Rat monoclonal [103-A1] to Nectin 3
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, IP, ICC/IF, Flow Cyt, Functional Studies <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Does not react with:</b> Rat, Human
<b>Immunogen</b>	Recombinant fragment, corresponding to Mouse Nectin 3 extracellular domain, amino acids 50-400 fused to IgG Fc.
<b>Positive control</b>	L-cells (A cultured line of C3H mouse fibroblasts)
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Provided as a 0.2µm purified antibody solution
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	103-A1
<b>Isotype</b>	IgG2a

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab16913 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF	★★★★☆ (1)	Use at an assay dependent concentration.
Flow Cyt	★★★★☆ (1)	Use at an assay dependent concentration. <b>ab18450</b> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
Functional Studies		Use at an assay dependent concentration.

### Application notes

Is unsuitable for WB.

## Target

### Function

Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body.

### Tissue specificity

Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines.

### Sequence similarities

Belongs to the nectin family.  
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.  
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

### Cellular localization

Cell membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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